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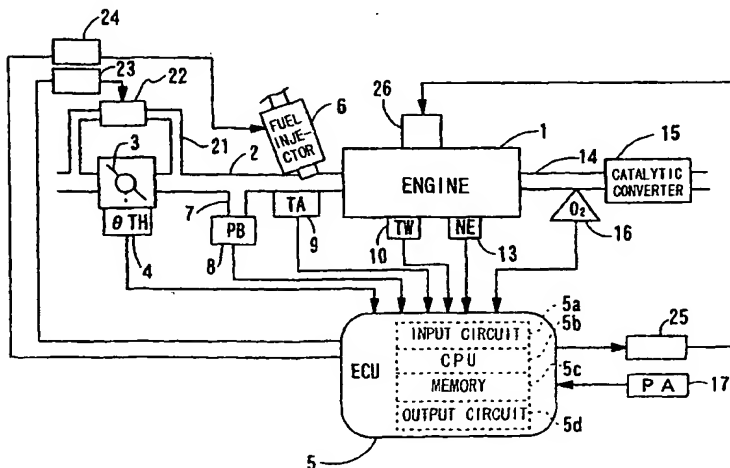
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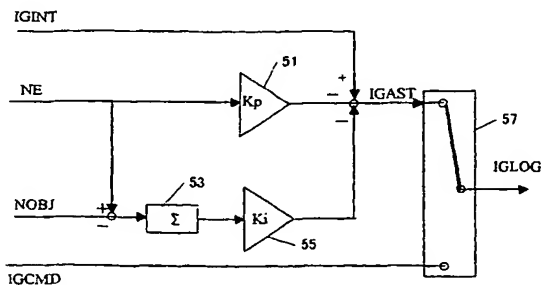
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(54) Title: ELECTRONIC CONTROL UNIT AND METHOD FOR CONTROLLING AN IGNITION TIMING OF AN INTERNAL-COMBUSTION ENGINE



(57) Abstract: An ignition timing value of the internal-combustion engine is calculated by using correction terms including a first correction term that is calculated based on a controlled variable without reflecting a desired value and a second correction term that is calculated based on a difference between the controlled variable and the desired value. The first correction term can be calculated based on the controlled variable with no influence of the desired value. Thus, a sudden change does not occur in the feedback controlled variable even in a situation where the difference between the controlled variable and the desired value changes step-wise. Besides, the first correction term is a proportional term (51) and the second correction term is an integral term (55). The controlled variable is a rotational speed of the internal-combustion engine (NE) that is detected by a detector for detecting the engine rotational speed.



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